



# SunStay Pro: All-in-one solar street light

## SunStay Pro

SunStay Pro solar street lights make it easier than ever to meet your sustainability targets. With an integrated solar panel and option for additional vertical PV panel, Lithium Ferro Phosphate (LFP) battery, these solar street lights also feature charger options for off-grid and hybrid operation. Sunstay Pro comes in wide range of color temperatures with dedicated light recipes that help to preserve dark skies. All in a distinctive luminaire housing design with a robust, long-lasting (PDC) aluminum housing. So you can bring light to areas without access to the electric grid for years to come. SunStay Pro solar lighting uses the latest LED technology for a long lifetime of 100,000 hours with best-in-class lumen maintenance @L95. The specially-designed pole mounting spigot offers different tilt angles, and the option for lateral and pole top mounting. With the new Ledgine Flex optical platform you can also increase the distance between poles to reduce the total cost of ownership in a wide range of applications. Sunstay Pro is made for quick and simple installation with a re-designed feed through cable and top-down, tool-less access to the gear components for improved serviceability. And thanks to Service tag, you have access to all the documentation you need on site. Connectivity and dimming options are available, including a radar motion sensor mounted to automatically increase light levels when presence is detected. There's also the option to group and control neighboring street lights through an internal mesh network to increase light levels in case of presence or activity detection. What's more, VGP725 SunStay Pro Solar lighting is System Ready so it can be paired with lighting management systems such as Interact City at any point in the future. The all-in-one choice for today and tomorrow.

## Benefits

- Bring light to areas with no access to electric grid
- Preserve landscapes (no cabling trenches)
- Customize lighting thanks to Ledgine Flex
- Reduce light pollution with dedicated light recipes
- Robust housing with high impact (IK08) and ingress protection (IP66)
- Saves 100% energy with off-grid operation (upto 90% in hybrid operation)

## Features

- Replaceable Lithium Ferro Phosphate battery for long life and hassle-free operations
- Choice of 40+ beams, internal louver options
- Specially-designed pole mounting bracket with 0° to 15° tilt angles, 2.5° tilt precision, post top and lateral mounting positions
- Dimming profile setting and radar occupancy sensor maximize autonomy
- MPPT charge controller for maximum efficiency (off-grid and hybrid)
- Self-diagnostics, battery charging, discharging and cut-off LED indicators
- Future ready with SR socket, Interact City connectivity and sensor options

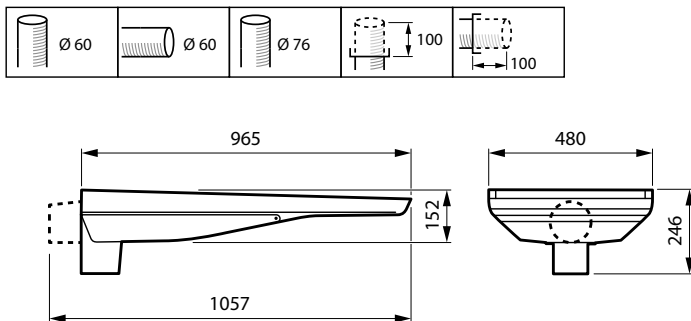
## Application

- Cycle paths, footpaths and pedestrian crossings
- Urban and residential streets, roundabouts, parks and playgrounds, Shopping areas
- industrial areas, parking areas, petrol stations, airports, harbors, public transport areas

## Warnings and Safety

- To ensure proper autonomy, solar sizing calculation to be done by trained signify team or trained partner by signify team

## Dimensional drawing



Product details



SunStay Pro \_ Post Top Entry



SunStay\_Pro\_PT\_OSB



SunStay\_Pro\_PT\_OLC



SunStay\_Pro\_topview\_OLC



SunStay\_Pro\_Top open



SunStay Pro \_ Side Entry



SunStay\_Pro\_Bottomview\_OSB

| General Information            |  |
|--------------------------------|--|
| Driver included                | Yes  |
| Light source replaceable       | Yes  |
| Service tag                    | Yes  |
| Light Technical                |  |
| Luminaire light beam spread    | 155° x 86°   |
| Color rendering index (CRI)    | 70   |
| Optic type outdoor             | Distribution<br>medium 10                            |
| Upward light output ratio      | 0  |
| Controls and Dimming           |  |
| Dimmable                       | Yes  |
| Maximum dim level              | Programmable   |
| Mechanical and Housing         |  |
| Optical cover type             | Glass  |
| Housing Color                  | Gray   |
| Mech. impact protection code   | IK09   |
| Ingress protection code        | IP66   |
| Standard tilt angle side entry | -  |
| Standard tilt angle posttop    | 0°   |
| Approval and Application       |  |
| CE mark                        | Yes  |
| Flammability mark              | For mounting on<br>normally<br>flammable<br>surfaces |
| Product Data                   |  |
| Product family code            | VGP725   |

General Information

| Order Code   | Full Product Name                       | Lamp family code |
|--------------|---|------------------|
| 912300060311 | VGP725 LED30-4S/730 OG DM10 III DGR 76P | LED30            |
| 912300060312 | VGP725 LED60-4S/730 OG DM10 III DGR 76P | LED60            |
| 912300060313 | VGP725 LED40-4S/730 HY DM10 DGR 76P 12A | LED40            |
| 912300060314 | VGP725 LED80-4S/730 HY DM10 DGR 76P 18A | LED80            |
| 912300060315 | VGP725 LED30-4S/740 OG DM10 III DGR 76P | LED30            |
| 912300060316 | VGP725 LED60-4S/740 OG DM10 III DGR 76P | LED60            |
| 912300060317 | VGP725 LED40-4S/740 HY DM10 DGR 76P 12A | LED40            |
| 912300060318 | VGP725 LED80-4S/740 HY DM10 DGR 76P 18A | LED80            |

Light Technical

| Order Code   | Full Product Name                          | Light             | Correlated Color     |                  |
|--------------|--|-------------------|----------------------|------------------|
|              |  | source<br>color   | Temperature<br>(Nom) | Luminous<br>Flux |
| 912300060311 | VGP725 LED30-4S/730<br>OG DM10 III DGR 76P | 730 warm<br>white | 3000 K               | 2,744 lm         |
| 912300060312 | VGP725 LED60-4S/730<br>OG DM10 III DGR 76P | 730 warm<br>white | 3000 K               | 5,443 lm         |
| 912300060313 | VGP725 LED40-4S/730<br>HY DM10 DGR 76P 12A | 730 warm<br>white | 3000 K               | 3,636 lm         |
| 912300060314 | VGP725 LED80-4S/730<br>HY DM10 DGR 76P 18A | 730 warm<br>white | 3000 K               | 7,194 lm         |

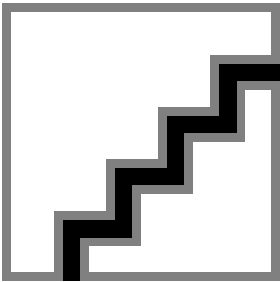
| Order Code   | Full Product Name                          | Light                | Correlated Color     |                  |
|--------------|--|----------------------|----------------------|------------------|
|              |  | source<br>color      | Temperature<br>(Nom) | Luminous<br>Flux |
| 912300060315 | VGP725 LED30-4S/740<br>OG DM10 III DGR 76P | 740 neutral<br>white | 4000 K               | 2,745 lm         |
| 912300060316 | VGP725 LED60-4S/740<br>OG DM10 III DGR 76P | 740 neutral<br>white | 4000 K               | 5,445 lm         |
| 912300060317 | VGP725 LED40-4S/740<br>HY DM10 DGR 76P 12A | 740 neutral<br>white | 4000 K               | 3,637 lm         |
| 912300060318 | VGP725 LED80-4S/740<br>HY DM10 DGR 76P 18A | 740 neutral<br>white | 4000 K               | 7,202 lm         |

Operating and Electrical

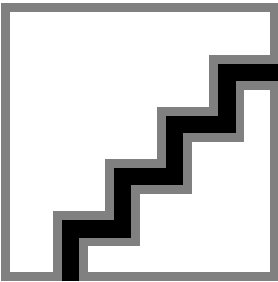
| Order Code   | Full Product Name                          | Power Consumption | Surge Protection (Common/Differential) |
|--------------|--|-------------------|--|
| 912300060311 | VGP725 LED30-4S/730 OG<br>DM10 III DGR 76P | 16.7 W            | -                                      |
| 912300060312 | VGP725 LED60-4S/730 OG<br>DM10 III DGR 76P | 33.2 W            | -                                      |
| 912300060313 | VGP725 LED40-4S/730 HY<br>DM10 DGR 76P 12A | 22.9 W            | Surge protection level until 10 kV     |
| 912300060314 | VGP725 LED80-4S/730 HY<br>DM10 DGR 76P 18A | 45.5 W            | Surge protection level until 10 kV     |

| Order Code   | Full Product Name                          | Power Consumption | Surge Protection (Common/Differential) |
|--------------|--|-------------------|--|
| 912300060315 | VGP725 LED30-4S/740 OG<br>DM10 III DGR 76P | 15.9 W            | -                                      |
| 912300060316 | VGP725 LED60-4S/740 OG<br>DM10 III DGR 76P | 31.7 W            | -                                      |
| 912300060317 | VGP725 LED40-4S/740 HY<br>DM10 DGR 76P 12A | 21.8 W            | Surge protection level until 10 kV     |
| 912300060318 | VGP725 LED80-4S/740 HY<br>DM10 DGR 76P 18A | 43.4 W            | Surge protection level until 10 kV     |

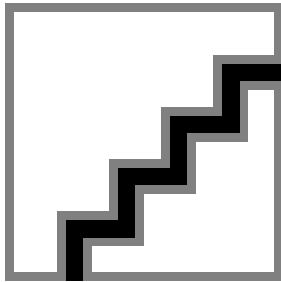
Polar Wide Diagrams



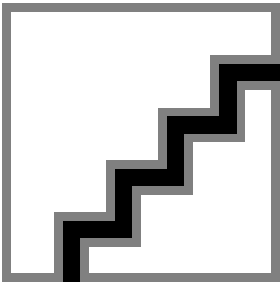
Polar Normal (separate) - VGP725I - 912300060316



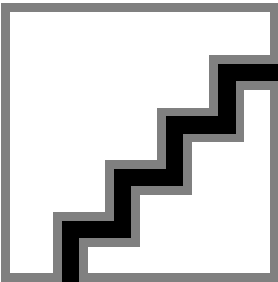
Polar Normal (separate) - VGP725I - 912300060311



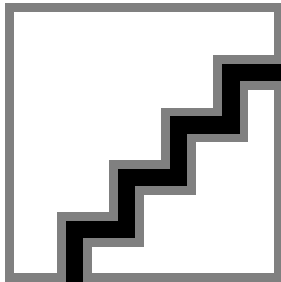
Polar Normal (separate) - VGP725I - 912300060312



Polar Normal (separate) - VGP725I - 912300060314

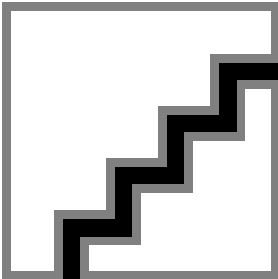


Polar Normal (separate) - VGP725I - 912300060313

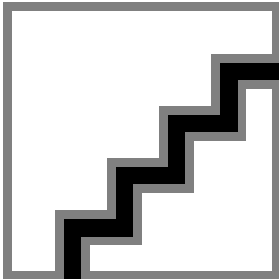


Polar Normal (separate) - VGP725I - 912300060318

Polar Wide Diagrams



Polar Normal (separate) - VGP725I -  
912300060315



Polar Normal (separate) - VGP725I -  
912300060317

